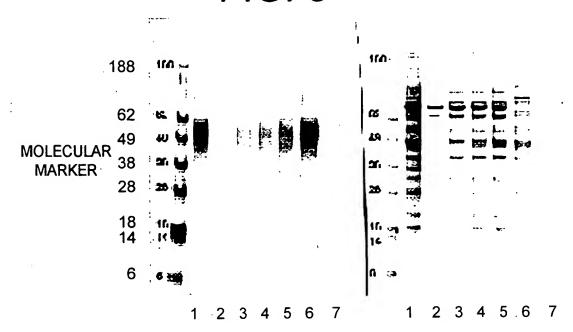


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FIG. 3



LANE

LANE

- 1. CELL CULTURE SUPERNATANT
- 2. HEPARIN FLOW-THROUGH, 5% OF LOAD
- 3. HEPARIN FLOW-THROUGH, 38% OF LOAD
- 4. HEPARIN FLOW-THROUGH, 71% OF LOAD
- 5. HEPARIN FLOW-THROUGH, 100% OF LOAD
- 6. HEPARIN 500 mM NaCI ELUATE
- 7. HEPARIN 2M NaCI STRIP

FIG. 4

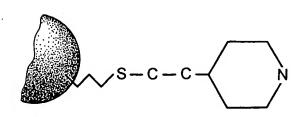
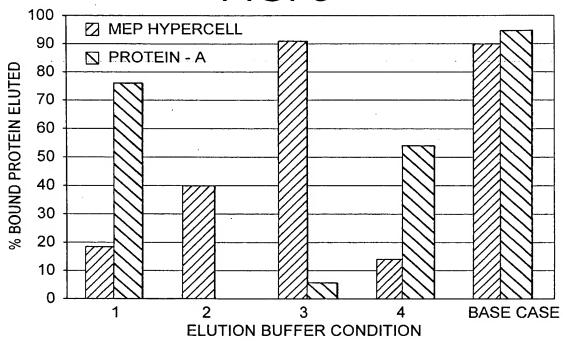


FIG. 5

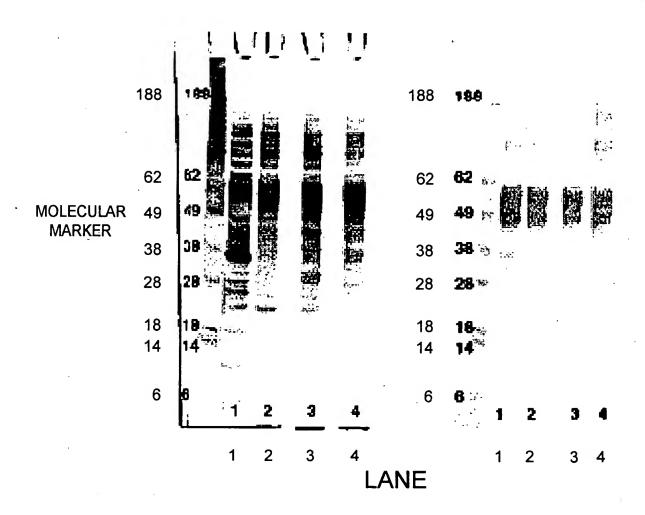


- 1. PIERCE Ab-PROTEIN ELUTION BUFFER.
- 2. 100mM CAPS, pH 10.5.
- 3. 100mM CAPS, 50% ETHYL GLYCOL, pH 10.5.
- 4. 100mM TRIS, 3.5 M, MgCl₂, 0.1% TWEEN 80, pH 8.

FIG. 6 100 90 % BOUND PROTEIN ELUTED 80 70 60 50 40 30 20 10 0 8 9.5 **BASE CASE** 10 10.5 **ELUTION BUFFER PH**

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FIG. 7



LANE

- 1. CELL CULTURE SUPERNATANT
- 2. HEPARIN CONCENTRATION ELUATE
- 3. MEP HYPERCELL ELUATE
- 4. PROTEIN-A ELUATE